

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

§1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

GHS Product identifier

Trade Name	: Galsoft SCG
Chemical identity of ingredients that contribute to classification	: Sodium Cocoyl Glycinate
Recommended use of the chemical and restrictions on use	
Use of the substance/mixture	: Ingredient in Personal and Home Care products
Supplier's details	: Galaxy Surfactants Limited C-49/2, TTC Industrial Area Pawne, Navi Mumbai, 400703, India Tel: +91-22-27616666 / +91-22-65134444 Fax: +91-22-27615886 / +91-22-27615883 e-mail: galaxy@galaxysurfactants.com
Emergency phone number (Language: English)	: +91-9867673376 +91-9923585099

2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

Eye damage Category 1; H318

Acute aquatic toxicity Category 2; H401

GHS label elements, including precautionary statements

§Hazard pictogram:



Signal word: Danger

Hazard statement(s):

H318: Causes serious eye damage.

H401: Toxic to aquatic life.

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

Precautionary statement(s):

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P501: Dispose off contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification : Not known

§3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI/Chemical Name	Synonyms	CAS Number	EC Number	% concentration
Sodium Cocoyl Glycinate	Fatty acid chlorides, C8-14 (even numbered), reaction products with glycine; Glycine, N-coco acyl derivs., sodium salts; N-cocoyl glycine sodium salt	90387-74-9	291-350-5	≤ 33.5

4. FIRST-AID MEASURES

Description of necessary first-aid measures

- Inhalation : Remove to fresh air
- Skin contact : Flush with plenty of water for at least 15 minutes. Seek medical attention, if necessary
- Eye contact : Immediately flush eyes with running water, keeping the eyelids open forcibly. Remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Seek medical attention
- Ingestion : Immediately rinse mouth and then drink plenty of water. Seek medical attention, if necessary

§Most important symptoms/effects, acute and delayed

- Eye contact : Risk of serious damage to eyes
-

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

Indication of immediate medical attention and special treatment needed, if necessary

Treatment : Treat symptomatically

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media : Water, carbon dioxide, dry chemical powder, foam

Unsuitable extinguishing media : Not known

Specific hazards arising from the chemical : Development of hazardous combustion products like oxides of carbon and nitrogen possible in the event of fire

Special protective equipment and precautions for fire-fighters : Wear personal protective equipment and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

§Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Wash hands after exposure with the product. Avoid contact with skin, eyes and clothing

Environmental precautions : Do not discharge into drains or waterways

Methods and materials for containment and cleaning up : Small spill: Absorb with suitable absorbent material. Collect in suitable and properly labeled container.
Large spill: Contain spilled material if possible. Pump into suitable and properly labeled containers. Dispose off absorbed material/collected material in accordance with regulations

7. HANDLING AND STORAGE

Precautions for safe handling : Follow general occupational hygiene such as, wash hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing. Avoid spill. Follow safe procedures for loading and un-loading of product

§Conditions for safe storage, including any incompatibilities : Store the material in a clean, dry place at 25 - 35°C away from heat and sunlight. Keep the containers tightly closed. In original sealed containers, when stored as suggested, the shelf life of the product is at least two years. When carboy/IBC is opened, consume the product within a week. When taken in ISO container, it is recommended that material be consumed within one month's time, after unloading in storage tank. Product has tendency to crystallize/solidify and become non-pourable, if stored at ≤ 15°C. If solidifies, it is recommended to increase the

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

temperature of the product maximum to 55°C by heating the jacketed ISO containers with hot water or low pressure steam (< 2 kg/cm²). If the product becomes frozen in IBC/ HMHDPE carboys, then keep the same in hot room of 30 - 40°C (avoid direct heating). Post melting to liquid, entire mass has to be made homogeneous before use.

Stacking of carboys (palletized/non-palletized): 1+1, both while transport and during storage

Stacking of IBC: 1+1, both while transport and during storage

Suitable packing materials : HMHDPE carboys / IBC / ISO container

Unsuitable packing materials : Mild steel and glass

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits : Not known

Biological limit values : Not known

Appropriate engineering controls : Proper plant design, technical measures and working operations should minimize human exposure

Individual protection measures, such as personal protective equipment (PPE) : Eye/face protection: Safety goggles
Skin protection: Apron, rubber gloves and shoes
Respiratory protection : None required when adequate ventilation is available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : Clear liquid

Colour : Colourless to pale yellow

Odour : Fatty

Odour threshold : No data available

§pH (as such) : 10.0 - 11.0 at 28°C

Freezing point : ≤ 15°C

§Initial boiling point and boiling range : > 100°C at 760 mmHg (foam/overflow)
(Based on water content)

Flash point : > 100°C

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

Evaporation rate	: No data available
Flammability (solid, gas)	: Non - flammable
Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.050 - 1.100 at 25°C
Solubility(ies)	: Soluble in water
§Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
§Viscosity (Brookfield, RVT, #3, 20 rpm)	: 3500 cps, maximum at 25°C

10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions, if stored and handled as prescribed (Refer Section 7)
Chemical stability	: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure
Possibility of hazardous reactions	: Not anticipated when used or handled as prescribed
Conditions to avoid	: Heat, flame and other sources of ignition
Incompatible materials	: Do not subject to strong acids, alkali, oxidizing and reducing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

§11. TOXICOLOGICAL INFORMATION

Toxicological information of Sodium Cocoyl Glycinate

Acute oral toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 423)
Acute dermal toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 402 / EU Method B.3)
Acute inhalation toxicity	: No data available

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

Skin corrosion/irritation

In vitro study (EpiSkin reconstructed human epidermis model) : Not irritating
(OECD Guideline 439 / EU Method B.46)

Rabbit : Not irritating
(OECD Guideline 404)

Serious eye damage/irritation

Rabbit : Irritating
(OECD Guideline 405)

In-vitro study : Very severe irritant
(OECD Guideline 437)

Respiratory or skin sensitization (Guinea pig) : Not sensitizing
(OECD Guideline 406 / EU Method B.6)

Germ cell mutagenicity

Mammalian cell gene mutation assay (in-vitro) : Negative
(OECD Guideline 476 / EU Method B.17)

Bacterial reverse mutation assay (in-vitro) : Negative
(OECD Guideline 471)

Micronucleus assay (in-vivo) : Negative
(Equivalent or similar to OECD Guideline 474)

Carcinogenicity : No data available

Reproductive toxicity : Not classified
Effects on fertility: oral (Rat):
NOAEL (P): 1000 mg/kg bw/day
NOAEL (F1): 250 mg/kg bw/day
(OECD Guideline 421)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified
Repeated dose toxicity: oral (Rat): NOAEL: 1000 mg/kg bw/day
(OECD Guideline 407 / EU Method B.7)

Aspiration hazard : Not classified

Information on the likely routes of exposure : Dermal and oral

Symptoms related to the physical, chemical and toxicological characteristics : Eye contact: Risk of serious damage to eyes

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

Delayed and immediate effects and also chronic : Short term exposure: Not known
effects from short and long term exposure Long term exposure: Not known

12. ECOLOGICAL INFORMATION

Ecological information of Sodium Cocoyl Glycinate

Short-term toxicity to fish	: Danio rerio LC ₀ (96 h): 29.8 mg/l (OECD Guideline 203)
Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC ₅₀ (48 h): 2.8 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: Daphnia magna NOEC (21 d): 4 mg/l (OECD Guideline 211)
Toxicity to aquatic algae	: Desmodesmus subspicatus EC ₅₀ (72 h): 61 mg/l (based on: growth rate) NOEC (72 h): 21.9 mg/l (based on: growth rate) (OECD Guideline 201)
Persistency and degradability	: Readily biodegradable; 83 - 86% after 28 days (CO ₂ evolution) OECD Guideline 301 B (Ready Biodegradability: CO ₂ Evolution Test)
Bioaccumulative potential	: Log K _{ow} : - 0.2, a low potential for bioaccumulation is expected (Estimated BCF value from EUSES: BCF fish: 1.4 l/kg wwt and BCF worm: 0.85 l/kg wwt)
Mobility in soil	: K _{oc} : 1.6 l/kg (EUSES 2.1 QSAR), a low tendency to sorb to solids
Other adverse effects	: Not known

13. DISPOSAL CONSIDERATIONS

Disposal methods : Dispose off contents/container in accordance with local/regional/
national/international regulations

14. TRANSPORT INFORMATION

Not classified as dangerous according to transport regulations

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCG

Version No. 2 Date of revision: April 10, 2018

§15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question : Refer to all applicable national, international and local regulations or provisions

16. OTHER INFORMATION

Revision Number : GHS / Revision 1
Indication of changes : Indicated with symbol '\$'
Legend/acronym : GHS - Globally Harmonized System
STOT - Specific Target Organ Toxicity
Source of information : In-house and literature

The information contained herein is based on data considered accurate. However, no warranty is expressed, or implied regarding the accuracy of this data, or the result to be obtained from the use thereof. Galaxy assumes no responsibility for injury to the user, or third person proximately caused by the material, if reasonable safety procedures are not adhered to, as stipulated in the safety data sheet. Galaxy assumes no responsibility for injury to the user, or third person proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Further, user assumes the risk in his use of the material.